6868

[This Drawing is a reproduction of the Original on a reduced scale.]

A.D. 1898. March 22. N°. 6868.
CRAIG'S Complete Specification. (1 SHEET)

279-93

Britain

1899

Fig. 1.

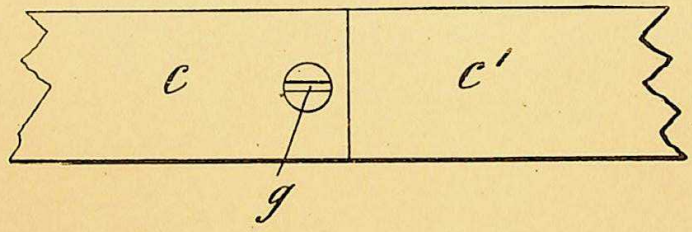


Fig. 2.

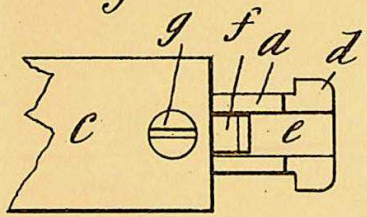


Fig. 3.

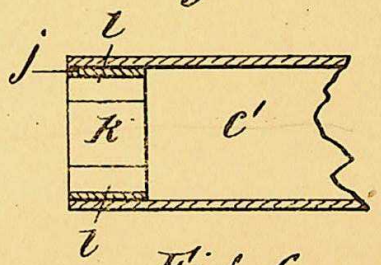


Fig. 4.

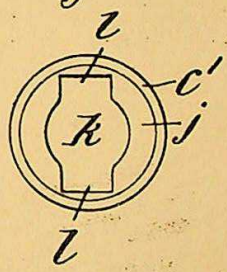


Fig. 5.

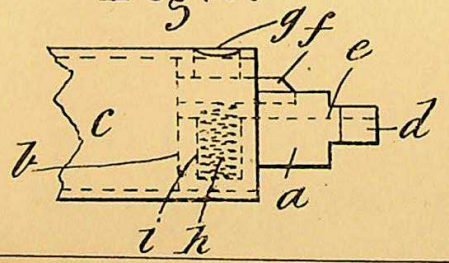
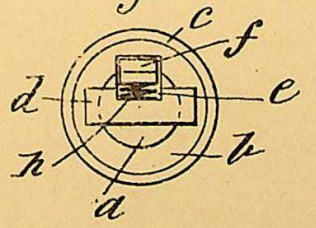


Fig. 6.



Malby & Sons, Photo-Litho.

N° 6868 A.D. 1898

Date of Application, 22nd Mar., 1898
Complete Specification Left, 6th Dec., 1898—Accepted, 14th Jan., 1899

DUPLICATE

PROVISIONAL SPECIFICATION.

An Improved Locking Joint or Coupling for Rods, and for other purposes.

CHARLES CRAIG, Manager to Builders Merchants, 2, Coborn Road, Bow, London, E., do hereby declare the nature of this invention to be as follows :—

My invention has for its object a rapid self-locking coupling or joint for drain rods and the like. The joints consist of two parts male and female.

The male part of the joint is made smaller in diameter to fit the interior of the female part bored for that purpose. At the extremity of the male part which fits the interior of the female joint I have two or more lugs or projections larger in diameter than the part which fits the interior of female joint; these lugs pass through slots or channels which run parallel with the interior of female joint. The lugs passing through the channels of slots formed in the interior of female joint.

Whereby causing the joint to make a quarter revolution the lugs are freed round the inside flange or shoulder that is purposely cut away to form an incline plane by this means drawing the male and female joints tightly together.

I keep the joint in that position by a small catch or bolt fixed at right angles in male joint by a spiral spring that fits into channel of female joint and is released by forcing the bolt out of the channel of female joint.

May 9th 1898.

CHARLES CRAIG.

COMPLETE SPECIFICATION.

An Improved Locking Joint or Coupling for Rods, and for other purposes.

I, CHARLES CRAIG, of 2, Coborn Road, Bow, in the County of London, Manager to Builders Merchants, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement :—

My invention consists of the improvements hereinafter described in locking joints or couplings for rods and pipes, by my invention the connecting together of the two parts of the locking joint and their disconnection is effected with great ease and rapidity.

And in order that my invention may be thoroughly understood, I now proceed to describe the accompanying drawing thereof, reference being had to letters and figures marked thereon.

Fig. 1, is a view of the jointed rods.

Fig. 2, is a plan of the male end.
Fig. 3, is a section of the female end.
Fig. 4, is an end view of the female end.
Fig. 5, is a side view of Fig. 2, the dotted lines indicate the interior mechanism.
Fig. 6, is an end view of the male end.

In carrying my invention into practice I make the joint or coupling in two parts namely, the male end as in Figs. 2, 5, and 6, and the female end as in Figs. 3, and 4. The male joint is constructed with a horizontal bar *a*, and block *b* soldered or brazed in the inside of the tube *c*. At the end of the bar *a* is a cross bar *d*, and in the top is cut a groove *e* for receiving the catch *f* this said catch is operated by means of a pin or screw *g*, and spring *h* inserted in a hole *i* cut in the block *b*. The female end is formed with a block *j* having a suitable opening *k* fixed in the end of the tube c^1, the opening *k* is of such a size so as to permit the male end being inserted and by giving a quarter turn the catch *f* by the action of the spring *h* locks itself in one of the recesses *l* of the opening and thereby become fixed until it is released by pressing or forcing inwards the pin or screw *g*.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. In locking joints or couplings for rods substantially as above described in the above specification and illustrated in the accompanying drawing.
2. In locking joints or couplings for rods, the combination of bar *a* block *b* cross bar *d* groove *e* catch *f* pin *g* spring *h* and hole *i*, substantially as herein described and according to Figs. 2, 5, and 6, of the accompanying drawing.
3. In locking joints or couplings for rods, the combination of the block *j* opening *k* and recesses *l*, substantially as herein described and according to Figs. 3, and 4, of the accompanying drawing.

Dated this 6th day of December 1898.

J. P. BAYLY,
18, Fulham Place, London, W., Agent for the Applicant.

Redhill: Printed for Her Majesty's Stationery Office, by Malcomson & Co., Ltd.—1899.